PTO/SB/05 (01-04)
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UTILITY PATENT APPLICATION **TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attomey Docket No.	H1799-00201
First Inventor	Alfred L. Phillips
Title	FLEXIBLE LOOP THERMOSYPHON
Express Mail Label No.	EV343434081US

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450
1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27. 3. Specification [Total Pages 29] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed)	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies
- Detailed Description	ACCOMPANYING APPLICATION PARTS
- Claim(s)	ACCUMPANTING APPLICATION PARTS
- Abstract of the Disclosure 4. Drawing(s) (35 U.S.C. 113) [Total Sheets18] 5. Oath or Declaration [Total Sheets5] a. Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76 18. If a CONTINUING APPLICATION, check appropriate box, and supprespecification following the title, or in an Application Data Sheet under 37 Continuation Divisional Continuation Divisional Continuation Continuation: Examiner NOT YET KNOWN For CONTINUATION OR DIVISIONAL APPS only; The entire disclosure of the 5b, is considered a part of the disclosure of the accompanying continuation The incorporation can only be relied upon when a portion has been inadverted.	art Unit: NOT YET KNOWN Perfor application, from which an oath or declaration is supplied under Box or divisional application and is hereby incorporated by reference. ently omitted from the submitted application parts.
19. CORRESPOND	DENCE ADDRESS
Customer Number: 00041396	OR Correspondence address below
Name	
Address	
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	lephone Fax
Name (Print/Type) SAMUEL W. APIGETLI / Signature / AMUEL W. MERCEL	
Signature /Xamuel N/1 Mercul	Date 2/25/04

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/17 (10-03)
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CEE TO A NOMITTAL			Complete if Known						
FEE TRANSMITTAL			cation I	Numbe	er Not yet known	Not yet known			
for FY 2004			Date		Herewith	Herewith			
Effective 10/01/2003. Patent fees are subject to annual revision.		First Named Inventor			tor Alfred L. Phillips	Alfred L. Phillips			
<u> </u>		Examiner Name			Not Yet Known	Not Yet Known			
Applicant claims small entity status. See 37 CFR 1.27		Art Unit			Not yet known	Not yet known			
TOTAL AMOUNT OF PAYMENT (\$) 846		Attorney Docket No. H1799-00201							
METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)								
Check Credit card Money Other None	3. ADDITIONAL FEES								
✓ Deposit Account:	Large Entity Small Entity								
Deposit 0.4.4.070	Fee Code			Fee (\$)	Fee Description	ee Paid_			
Account Number	1051	130	2051	65	Surcharge - late filing fee or oath				
Deposit Account Duane Morris LLP	1052	50	2052		Surcharge - late provisional filing fee or cover sheet				
Name The Director is authorized to: (check all that apply)		130	1053		Non-English specification	_			
Charge fee(s) indicated below Credit any overpayments		2,520	1812 2	2,520	For filing a request for ex parte reexamination				
Charge any additional fee(s) or any underpayment of fee(s)	1804	920*	1804		Requesting publication of SIR prior to Examiner action				
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.		1,840*	1805	1,840*	Requesting publication of SIR after Examiner action				
FEE CALCULATION		110	2251	55	Extension for reply within first month				
1. BASIC FILING FEE	1252	420	2252	210	Extension for reply within second month				
Large Entity Small Entity	1253	950	2253	475	Extension for reply within third month				
Fee Fee Fee Fee Description Fee Paid Code (\$) Code (\$)	1254	1,480	2254	740	Extension for reply within fourth month				
1001 770 2001 385 Utility filing fee 770	1255	2,010	2255	1,005	Extension for reply within fifth month				
1002 340 2002 170 Design filing fee	1401	330	2401	165	Notice of Appeal	i			
1003 530 2003 265 Plant filing fee	1402		2402		Filing a brief in support of an appeal				
1004 770 2004 385 Reissue filing fee	1403		2403		Request for oral hearing				
1005 160 2005 80 Provisional filing fee		1,510			Petition to institute a public use proceeding				
SUBTOTAL (1) (\$) 770.00	1452		2452		Petition to revive - unavoidable				
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE		1,330	2453		Petition to revive - unintentional				
Fee from Ext <u>ra Claims below</u> Fee Paid	1501	1,330 480	2501 2502		Utility issue fee (or reissue) Design issue fee				
Total Claims 22 -20** = 2 x 18 = 36	1502		2503		Plant issue fee				
Independent 3 - 3** = 0 x 86 = 0	1460		1460		Petitions to the Commissioner	-			
Multiple Dependent =36		50	1807		Processing fee under 37 CFR 1.17(q)				
Large Entity Small Entity	1807 1806		1806		Submission of Information Disclosure Stmt	─ 			
Fee Fee Fee Fee Description Code (\$)	8021	40	8021	40	Recording each patent assignment per	0			
1202 18 2202 9 Claims in excess of 20	1809	770	2809		property (times number of properties) Filing a submission after final rejection				
1201 86 2201 43 Independent claims in excess of 3 1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	(37 CFR 1.129(a)) For each additional invention to be	——- 			
1204 86 2204 43 ** Reissue independent claims	.5.0		-0.0	500	examined (37 CFR 1.129(b))				

SUBTOTAL (3) (\$) 40 **or number previously paid, if greater; For Reissues, see above (Complete (if applicable)) SUBMITTED BY Registration No. Name (Print/Type) Samuel W 36,427 Telephone 717-237-5516 (Attorney/Agent) Signature

1801

1802

770

900

Other fee (specify)

2801

1802

*Reduced by Basic Filing Fee Paid

385 Request for Continued Examination (RCE)

900 Request for expedited examination

of a design application

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** Reissue independent claims over original patent

and over original patent

SUBTOTAL (2)

** Reissue claims in excess of 20

(\$) ³⁶.

1204

1205

2205

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Alfred L. Phillips, Dmitry K. Khrustalev, Kevin L. Wert, Michael J.

Wilson, Jonathan P. Wattelet and John Broadbent

Serial No.: Not yet known

Filing Date: Herewith

For: FLEXIBLE LOOP THERMOSYPHON

CERTIFICATE OF EXPRESS MAILING

MAIL STOP PATENT APPLICATION Commissioner for Patents P.O. BOX 1450 Alexandria, VA 22313-1450

Sir:

I hereby certify that this document, namely the above-identified **Continuation-in-part Patent Application** is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

"Express Mail" mailing label number ____EV343434081US

Date of Deposit Seburg 25

Respectfully submitted,

Date: 2/25/0

Samuel W. Apice/li, Esq. Registration No. 36,427

Customer Number 000041396

Duane Morris LLP

305 North Front Street, P.O. Box 1003

Harrisburg, PA 17108-1003 Telephone: (717) 237-5516

Docket No: H1799-00201

HBG\125623.1

PTO/SB/122 (09-03)

Approved for use through 11/30/2005. OMB 0651-0035

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CHANGE OF CORRESPONDENCE ADDRESS Application

Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450.

Application Number	Not yet assigned
Filing Date	02/25/2004
First Named Inventor	Alfred L. Phillips
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	H1799-00201

Please change the Correspondence Address for the above-	-identified patent	application to:	;			
Customer Number : 000041396						
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I am the:						
Applicant/Inventor						
Assignee of record of the entire interest. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).						
Attorney or Agent of record. Registration Number 36,427						
Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number						
Typed or Printed Samuel W. Apicelli						
Signature anual W. Gurell			······································			
Date 2/25/04		ne ₇₁₇₋₂₃₇₋₅				
NOTE: Signatures of all the inventors or assignees of record of the entire in forms if more than one signature is required, see below.	nterest or their repre	esentative(s) are	e required. Subi	nit multiple		

This collection of information is required by 37 CFR 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

forms are submitted.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Alfred L. Phillips, Dmitry K. Khrustalev, Kevin L. Wert, Michael J.

Wilson, Jonathan P. Wattelet and John Broadbent

Serial No.: Not yet known

Filing Date: Herewith

For: FLEXIBLE LOOP THERMOSYPHON

COMMUNICATION RE UNSIGNED DECLARATION

EV343434081US
MAIL STOP PATENT APPLICATION
Commissioner for Patents
P.O. BOX 1450
Alexandria, VA 22313-1450
Sir:

Submitted herewith is the patent application of Alfred L. Phillips, Dmitry K. Khrustalev, Kevin L. Wert, Michael J. Wilson, Jonathan P. Wattelet and John Broadbent. The application is complete but lacks a signed declaration from John Broadbent. Applicant requests a Notice of Missing Parts (filing date accorded) indicating the serial number and filing date, whereupon a signed declaration and the surcharge under 37 CFR 1.16 will be filed.

Respectfully submitted,

Data:

2/25/04

Samuel W. Apicelli, Esq.

Registration No. 36,427

Customer Number 000041396

Duane Morris LLP

305 North Front Street, P.O. Box 1003

Harrisburg, PA 17108-1003 Telephone: (717) 237-5516

Docket No: H1799-00201

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